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UNIVERSITY OF MASSACHUSETTS
MEDICAL CENTER

1970

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ANNUAL
REPORT

1995

CELEBRATING THE PAST
SHAPING THE FUTURE



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An anniversary evokes countless images of times past. For UMass Medical Center's 25th, the cover collage includes, clockwise from top left: Jeffrey Stoff, MD, director of Renal Medicine, Catherine O'Connor-Lieber, RN, and Lynn Baden, MD '86, with patient in ICU; the 1982 dedication ceremony for LifeFlight; the first kidney transplant patient leaving the hospital, escorted by Elaine Nozzolillo, RN; James Dalen, MD, founding chair, Department of Cardiovascular Medicine, and Jacqueline Lee, MD '84; UMMC's first three chancellors, at 1982 convocation: Roger Bulger, MD, Lamar Soutter, MD, and Robert Tranquada, MD; volunteer Margaret O'Sullivan with pediatric patient; Roger Hickler, MD, founding chair, Department of Medicine.

U N I V E R S I T Y
M A S S A C H U S E T T S
M E D I C A L C E N T E R

GOVERNMENT DOCUMENTS
COLLECTION

MAR 06 1996

A M E S S A G E F R O M T H E C H A N C E L L O R

University of Massachusetts
Depository Copy

From the outset of planning for the Medical Center's 25th anniversary, there was agreement that in celebrating we would look forward as well as back. In fact, the seemingly brief history of UMMC prompts an almost universal reaction among our friends in the community: "Can it really be 25 years? It seems like only yesterday that UMass came to Worcester!"

Without question, the accomplishments of these formative years — since the medical school opened in 1970 — have been extraordinary and are cause for enormous pride. Yet the prospects for our next quarter-century are equally exciting, in all the areas that our mission encompasses.

The Learning Center, which will be under construction by this spring, will bring our educational facilities to the level expected of an academic health center in the 21st century. By 1998, the Neuropsychiatric Research Institute will expand our capabilities in caring for the mentally ill, as well as researching causes and treatment of mental illness, and educating mental health professionals. And with \$30 million in funds recently approved by the governor and legislature, the long-hoped-for new basic science building will provide space for 21st-century genetic research.

While all of this expansion is under way, our patients will continue to depend on us for state-of-the-art care, provided in the way we would want and expect for our own families.

Yes, there is much to celebrate, and thanks to the efforts of many volunteers, we are in the midst of the celebration. In 1994, a steering committee co-chaired by two of our original department chairs, H. Brownell Wheeler, MD, of surgery and H. Maurice Goodman, PhD, of physiology, enlisted the participation of scores of individuals representing faculty, staff and the greater Worcester community. Organized as various committees, all of them went to work planning for 1995-96 as the anniversary year.

Invited to join us for the kickoff events in September, many of the founding department chairs were reunited with the founding dean and first chancellor, Dr. Lamar Soutter.

This annual report is dedicated to the founding faculty and staff, to all the others whose enthusiasm and support have brought us to this point, and to our workforce of 6,000-plus that will propel us toward the promise of the future. The following pages feature a review of the past with a preview of the future, as well as highlights of anniversary activities.

I welcome your comments about the first 25 years and your suggestions about how we can do even better along the road to our next milestone anniversary.



Aaron Lazare, MD
Chancellor and Dean



UMASS
MEDICAL
CENTER



1970 - 1995
Celebrating the Past,
Shaping the Future

U N I V E R S I T Y O F
M A S S A C H U S E T T S
M E D I C A L C E N T E R

THE PAST AS PROLOGUE

It was a long time comin' — the state's medical school — and a seemingly short time since it opened. Still, 25 years is a significant milestone for what's now known as the **University of Massachusetts Medical Center**. How and when did it all begin?

Long before the monolithic granite complex materialized on the slope above Lake Quinsigamond, there was community support for building a medical school in Worcester. In the early 1950s, a dream began taking shape in the minds of civic leaders who cited the city's central location and academic environment as ideal for a state medical school. By 1960, nationwide concern about a shortage of physicians impelled state legislators to take action, and their 15-member study commission recommended establishment of a medical school as part of the **University of Massachusetts**. The legislature approved the idea, and **UMass** trustees appointed Lamar Soutter, MD, as dean in 1963.

But where to locate the school? Some lobbied for Boston, others for Amherst or Springfield. Among countless people who worked to bring the medical campus to Worcester, three were credited with the leadership that ultimately landed it. They were the late Lewis Wald, an industrialist who chaired the **Medical School Committee** organized by the city's Chamber of Commerce; Norman Sharfman, a businessman serving as president of the Chamber; and the late Hyman Heller, MD, then president of the **Worcester District Medical Society**.

Finally, in 1965, the **UMass** trustees voted to locate the school in Worcester. When the state Department of Mental Health offered the University 128 acres of land at Belmont and Plantation streets, Dr. Soutter (at right, surveying the farmland site) called it "a beautiful site for a medical school."



"I knew there would be tremendous difficulties, but I was intrigued by the challenge," said the man who had flown into the Battle of the Bulge in a glider and also sailed to the North Pole. Lamar L. Soutter, MD, was a nationally known thoracic surgeon who left Massachusetts General Hospital to take on the daunting task of establishing a medical school as part of the University of Massachusetts. As founding dean, he was the first employee of an enterprise that now has a payroll of more than 6,000. His tenacious devotion to ensuring its viability earned him the unofficial title "father of UMass Medical School." Twenty-five years after its opening, he returned to be honored at the anniversary convocation (page 18).



On 1960s aerial photo of Worcester medical campus (looking westward, with Lake Avenue at bottom), a sketch pinpoints projected sites of school, hospital and power plant.



In October 1969, UMass President John Lederle, Governor Francis Sargent and Dean Soutter break ground between Plantation Street and Lake Avenue.

U N I V E R S I T Y O F
M A S S A C H U S E T T S
M E D I C A L C E N T E R

1970s

The times, they are a-changin'. War protests and gender issues, a diplomatic breakthrough and a presidential crisis, the U.S. bicentennial and a remade downtown in Worcester — all are part of the checkered backdrop for UMass Medical School's formative years.



Expansion of the Vietnam War into Cambodia prompts campus protests that climax with the shooting of four Kent State students by Ohio National Guard troops.



Environmental concerns spawn the first Earth Day, and Helen Reddy singing "I Am Woman" becomes an icon of the women's movement.



Nixon opens the door to China, and the Arab oil embargo forces Americans to face the end of their long love affair with gas-guzzling automobiles.



Watergate propels Gerald Ford into the White House and — a year after the U.S. departs Vietnam — it's he who presides over America's 200th birthday celebration.



Barbra Streisand sings "The Way We Were," *Saturday Night Live* makes its television debut, and *Star Wars* becomes the decade's biggest box-office hit.



Healthcare providers introduce computer axial tomography (CAT) scanning of the brain, smallpox is declared to be eradicated and, in England, the world's first "test tube" baby is born.



A Worcester company makes communication carriers for the "lost moon" crew of NASA's Apollo 13, and Jimmy Carter holds his first "national town meeting" in nearby Clinton.



Shoppers throng the Worcester Center Galleria in "the nation's newest and most unusual" downtown redevelopment project, and a community effort saves the 19th-century Mechanics Hall, paving the way for world-class concerts and inspiring at least one optimist to project Worcester as "the Paris of the '80s."



Groundwork, 1970

Medical students begin classes in a Belmont Street warehouse still known as the Shaw Building (above) while construction gets under way on the school building nearby. Writing about the school's opening — and its ongoing battle for funding and the controversy over building a university hospital — a *Boston Globe* reporter notes that "if any school can overcome overwhelming problems by dint of sheer enthusiasm, UMass certainly will.... The infectious mood of buoyancy around the school largely reflects its intimacy combined with a pioneer spirit."

1970





Pacesetter, 1973

The first nurse hired for UMass Hospital is Susan Mickola (now Fitzpatrick), RN, shown above in 1976 photo.

Affiliations, 1971

Worcester's Hahnemann is the first hospital to sign a clinical training affiliation agreement with the medical school, followed later that year by St. Vincent, Memorial and Worcester City hospitals.

Residents, 1973

UMass's Family Practice Residency Program is established as the state's first and is committed to training family physicians to practice in Massachusetts.

1 9 7 4

EMPLOYEES
140

RESEARCH
\$.5 million

OUTPATIENT
VISITS
0



Moving, 1973

In October, faculty and students — all 304 of them — move into the basic- and clinical-sciences building. With three amphitheaters, teaching and research labs, and a library with a capacity for 100,000 volumes, the school also offers a "sidewalk superintendent's" view (left) of construction on the connecting hospital, begun in the previous year.

Pioneers, 1974

The MDs of 1974 (above) have "first-class" seats with Founding Dean Soutter, who was also named chancellor that year. Dr. Soutter's service spans 1963-75, and upon his retirement, the medical school library is named in his honor.





Alumnae, 1975

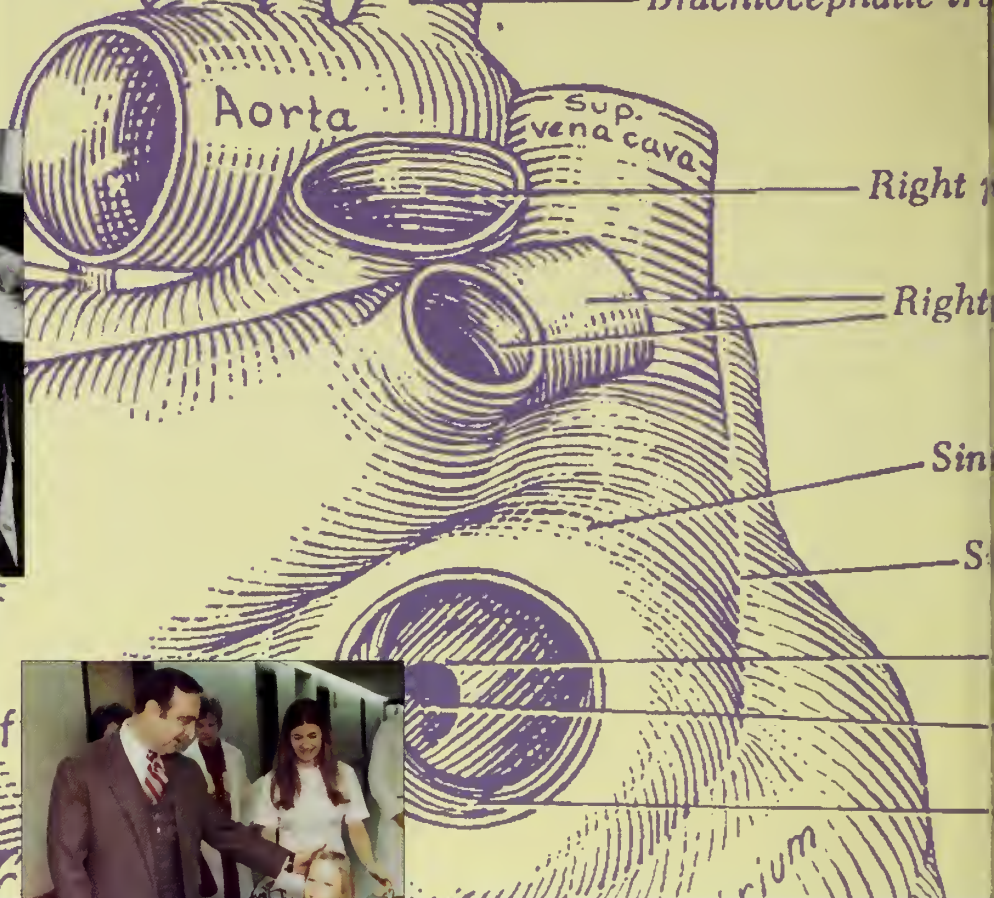
One year later, the medical school's graduating class includes nine women. Awarding their degrees (above), UMass President Robert Wood promises to build a campus that will benefit "all the residents of the state," and R.W. Butcher, PhD, (acting dean 1975-76), pledges "a center of academic excellence and service."

On Target, 1975

With enrollment of the class of '79, the medical school reaches its target of 100 first-year students, on schedule. By 1978, there are 100 students in each class.

Eye-opener, 1975

A Holyoke man becomes the first UMass outpatient, in the ophthalmology clinic.



Hospital Zone, 1976

After a delay because of a holdup of capital outlay funds, the hospital officially opens with the admission of its first overnight patient January 18, 1976 (above). The 10-year-old girl from Dudley is welcomed by her doctor, Arthur Pappas, MD, professor and chair of orthopedics. On the same day, Wayne Silva, MD, sees the first emergency patient, a woman from Worcester.

Heartening, 1976

First open-heart procedure, a coronary artery bypass, is highlight of clinical activity that follows opening of hospital.

Succession, 1976

Roger Bulger, MD, of the National Academy of Sciences in Washington takes helm as chancellor/dean and serves until 1978. H. Maurice Goodman, PhD, is named as acting chancellor/dean until Robert E. Tranquada, MD, becomes chancellor/dean in 1979.

Small Wonders, 1978

The region's first pediatric ICU (below) opens in December, to meet the needs of newborns, children and adolescents. Without it, UMass couldn't fulfill its role for the state or region, says Director Peter Viles, MD.



1 9 7 9

EMPLOYEES

2,305

RESEARCH

\$10 million

OUTPATIENT

VISITS

70,929

New Degree, 1979

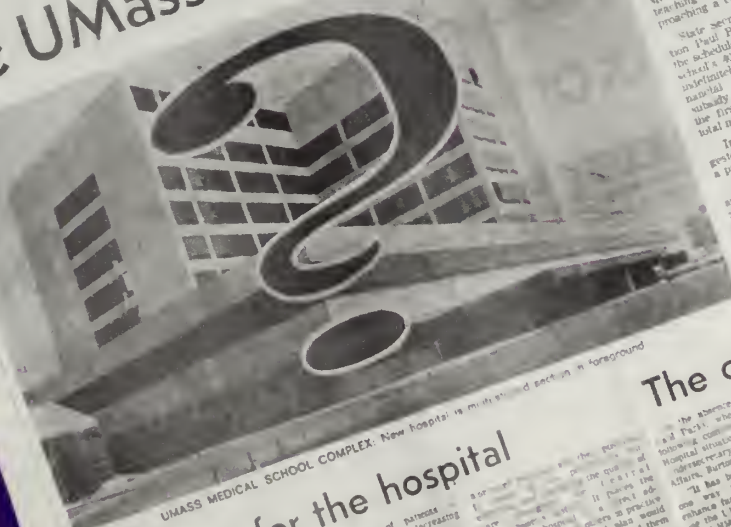
Seven students enroll in the new biomedical sciences PhD program, later to become the Graduate School of Biomedical Sciences. The school trains scientists and educators to conduct research on human diseases and to serve as faculty members in the medical sciences.

Openers, 1979

Adult Mental Health Unit opens in March and the Day Surgery Unit in December.

The UMass Medical School controversy: What's at stake

SECTION FIVE
THURSDAY HERALD ADVERTISER, AUGUST 2, 1978



The case for the hospital

UMASS MEDICAL SCHOOL COMPLEX: New hospital is mid-ground in controversy.

The case against the hospital

The controversy over the future of the University of Massachusetts Medical School and its companion teaching hospital is rapidly approaching a climax.

State Secretary of Higher Education Paul Parks has proposed that the scheduled opening this fall of the school's graded hospital be delayed indefinitely because of the state's national crisis. UMass receives a subsidy of \$25 million will be needed the first year, but Parks says the total may go as high as \$15 million.

In the meantime, Parks has suggested the hospital might function as a prepaid community health center.

On the other hand, UMass medical faculty and a number of other authorities have expressed concern that a delay in the scheduled opening of the hospital would be fatal both to the faculty and the medical school as a whole.

Two crucial meetings are scheduled for next Wednesday. The first is of the medical school's board of trustees, the other of the House Ways and Means committee on the school's budget.

In the following dispatches, the Sunday Herald Advertiser's Lorena McLaughlin, Medical Editor, and the Sunday Herald Advertiser's Herald Advertiser, sum up the arguments for and against opening the full-fledged hospital on schedule and suggest a solution to the medical school's long-term financial dilemma.

Mrs. McLaughlin has been reviewing developments from both inside and outside the medical system for the last two years. A member of the National Association of Science Writers, she has served as medical editor, science writer for the Herald Advertiser, and as a member of the Massachusetts Board of Health. She is also a frequent contributor to the New England Journal of Medicine.

U N I V E R S I T Y O F
M A S S A C H U S E T T S
M E D I C A L C E N T E R

1980s

The years of UMass Medical Center's "adolescence" embrace Baby Boomers beginning to turn 40, an economic "revolution" of growth that ends in a recession, and the end of the Cold War.

Iran releases 52 American hostages on Ronald Reagan's inauguration day; "Reaganomics" characterizes the first presidency to last two full terms since the 1950s.

Sandra Day O'Connor is the first woman named to the U.S. Supreme Court, Democrat Geraldine Ferraro the first woman to run for the vice presidency.

Inflation and high interest rates prompt the introduction of CDs and IRAs for investors, and the consumer quest for convenience fuels the proliferation of services like ATMs and products such as microwaves, VCRs and cellular phones.

E.T. endears itself to moviegoers but *Chariots of Fire* is the surprise of 1982, MTV makes its debut, and *Phantom of the Opera* opens on Broadway.

Nursing school enrollment drops 30 percent in the mid-1980s, and a shortage of nurses causes problems across the U.S.

In science, the Swiss are first to clone animals, producing three genetically identical mice; the Centers for Disease Control begins counting AIDS cases in 1981 and announces isolation of the virus in 1984; and cells are transferred into a human being in the first successful gene therapy procedure.

In 1989, the fall of the Berlin Wall, built during the Kennedy Administration, symbolizes the end of the Soviet empire.

Worcester opens its new Centrum with Frank Sinatra; 300 local fans preview the Rolling Stones' first national tour in three years; and Abbie Hoffman comes home to draw parallels between the '60s and '80s for Holy Cross students.



Keynote, 1981

At the commencement ceremony, Jesse Jackson urges graduates to "argue, march and fight to make healthcare a human right universally available to all..."

1981





New Center, 1983

With a \$2 million grant, the National Institutes of Health names UMMC as one of a dozen Diabetes-Endocrinology Research Centers nationwide and the only one in New England.

Spotlights, 1983

Surgeons perform first major limb reattachment at UMMC; emergency nurses' CARE (Cancel Alcohol-Related Emergencies) program receives Governor's Award for public service.

Doctorates, 1984

UMMC awards its first PhD degrees to two biomedical sciences graduates.

1 9 8 4

EMPLOYEES

3,534

RESEARCH

\$22.7 million

**OUTPATIENT
VISITS**

162,800

Heliport, 1982

Life Flight, New England's first air-medical transport system, takes off from UMass. A year earlier, the state's first Level 1 trauma center was established at UMass.



Olympians, 1984

Massachusetts skaters Peter and Kitty Carruthers credit UMMC sports medicine expertise for helping them win a silver medal at the Sarajevo, Yugoslavia, Olympics.





Leaps Ahead, 1985

UMass opens its Center for Health & Fitness — first of its kind in the U.S. (above) — to test health regimens that will help avoid medical problems. To tout the health benefits of walking, Rob Sweetgall treks through 50 states in 50 weeks, with periodic flights back to UMMC for fitness monitoring.

Enrollment, 1985

Upon admission, the medical school's class of '89 is 51-49 male-female. Since the late 1980s, the school has maintained close to a 50-50 gender balance in each entering class.

Transplants, 1986

Central Massachusetts gains an important service for patients when UMass performs its first kidney transplant. Recipient of a cadaveric kidney, the patient goes home 17 days after surgery. Two years later, a UMass patient receives a kidney from his sister in the hospital's first living-related kidney transplant procedure.



School Days, 1986

After an inaugural year of planning, the new Graduate School of Nursing (above) admits its first class for a one-year program that offers two clinical tracks and a management track. At the first commencement exercises in the fall of 1987, 13 nurses receive Master of Science degrees. In the same year, the PhD program becomes the Graduate School of Biomedical Sciences.

Winner, 1986

In Washington, the President's Committee on Employment of the Handicapped names UMMC "Large Employer of the Year." Chancellor Robert E. Tranquada, MD, accepts the award accompanied by Alta Lapoint, the Medical Center's first coordinator of Handicap Services.



Parking can be such sweet sorrow ...

Accustomed to "creative" parking solutions, UMMC's fast-growing employee population looks forward to the opening of a 1,500-space parking garage, after ground is broken in December 1985 by Chancellor Tranquada (far left), trustees and other university officials.

er can do...

gift to the annual fund can make
end on UMass Medical Center.

ically disadvantaged toddler.
ion biopsy and

person by Life Flight helicopter.

BUSINESS REPLY

First Class Permitted

POSTAGE WILL BE PAID BY ADDRESSEE

University of Massachusetts
Development Office
P.O. Box 2795
Worcester, MA 01601



Appointee, 1986

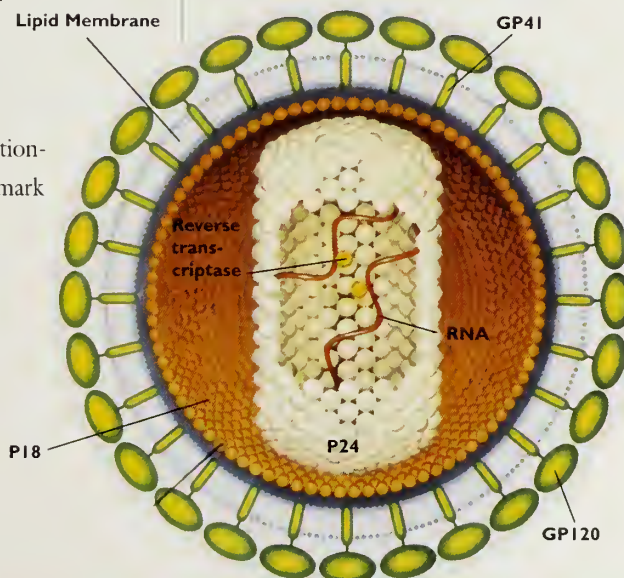
James E. Dalen, MD, becomes acting chancellor and serves until 1987.

Dedication, 1986

Governor Michael Dukakis dedicates the fast-growing Biotechnology Research Park adjacent to UMass, where the Central Massachusetts Magnetic Imaging Center is the first area facility to offer MRIs (magnetic resonance imaging) in a cooperative venture among UMass, St. Vincent, Worcester Hahnemann and Worcester Memorial hospitals.

Research, 1987

A five-year, \$8 million cooperative agreement from NIH, for basic and clinical research on AIDS (virus illustrated below) in Central Massachusetts, goes to UMMC. Meanwhile, the number of AIDS cases nationally reaches the 100,000 mark during the late 1980s.



Flying High, 1987

In its first five years, Life Flight logs 2,560 missions, including a Marlborough teen (above) whose left arm is reattached by UMass surgeons after a boating accident.

Succession, 1987

James Barry Hanshaw, MD, serves as acting chancellor until Leonard Laster, MD, is named chancellor; he serves until 1990.

New Center, 1989

The Cardiovascular Center opens, combining three divisions: cardiovascular medicine, cardiothoracic surgery and vascular surgery.

Degree Plus, 1989

UMMC and Tufts School of Veterinary Medicine establish Doctor of Veterinary Medicine/Doctor of Philosophy degree program.

1 9 8 9

EMPLOYEES
5,370

RESEARCH
\$46 million

OUTPATIENT
VISITS
212,241

U N I V E R S I T Y O F
M A S S A C H U S E T T S
M E D I C A L C E N T E R

1990s

UMMC's twenty-something decade coincides with the country's 50th anniversary observances of World War II and its anticipated leap forward to the millennium, as America copes with both a new world order and cyberspace.

Among troops sent by President Bush to the Gulf War are UMMC surgeons, nurses and technicians.

To smoke or not to smoke in public places? The ubiquitous debate intensifies the tobacco industry's response to the anti-smoking movement.

President Clinton places healthcare at the top of his agenda and Hillary Clinton in charge of reform; a federal act requires that patients be informed of their right to designate a proxy who can make vital healthcare decisions for them.

NIH's massive Human Genome Project, to create a "map" of the estimated 100,000 genes carrying human hereditary information, makes use of a technique patented by UMMC scientists.

Johnny Carson tucks America into bed for the last time, after 30 years as *Tonight Show* host; Spielberg's *Jurassic Park* becomes the highest grossing film ever; and the baseball strike means no 1994 World Series.

Conceived in Cold War times, the Internet now attracts both computer nerds and novices to the information highway, and the end of that road is nowhere in sight.

Abundant natural resources, a move to worldwide free trade, and attention to the environment are among factors expected to shape the rest of the decade.

In Worcester, an upscale outlet mall, a new convention center and Medical City are expected to round out downtown's "golden triangle."



Research Move, 1990

The two-year-old Program in Molecular Medicine moves to Two Biotech (above) in the Massachusetts Biotechnology Research Park. With purchase of Two Biotech in 1992, the UMMC campus crosses Plantation Street.

Leadership, 1990

Aaron Lazare, MD, becomes chancellor and begins process of updating and renewing UMMC's mission, including its commitment to statewide public service.

Recognition, 1990

"Employee of the Month" program begins with announcement of first award recipient, Carmen Burgos of Environmental Building Services.

1990

City Sites, 1991

Former Worcester City Hospital becomes UMMC City Campus, housing a community health center, rehabilitation facilities and non-patient care departments.

New Space, 1992

When the Joseph T. Benedict Building opens as the first new patient-care structure on campus since the hospital opened, Joe and Mary Benedict (below) are pleased.



New Route, 1992

Worcester Emergency Medical Services (EMS) becomes part of UMMC.



Expansion, 1993

Tri-River Family Health Center, a UMMC division in Uxbridge, triples in size and is rededicated.



Initiatives, 1994

The NIH awards UMMC a \$10 million contract for the Women's Health Initiative, the nation's first multi-center major research study on women's health problems. The medical school is one of 14 institutions selected to participate in the Generalist Physician Initiative, an ambitious project of the Robert Wood Johnson Foundation aimed at increasing the number of generalists practicing in the U.S.

Cancer Care, 1994

The new Cancer Center at UMass focuses on integrating research and treatment activities, with Two Biotech as its research base. In 1994, the hospital opens a nine-bed bone marrow transplantation unit — the first such facility between Boston and Springfield — and the first patient undergoes treatment. Cancer Center Director Peter Quesenberry, Chancellor Aaron Lazare and Hospital Director Gail Frieswick unveil the new unit (above).

To a Degree, 1994

The GSN initiates a PhD program with UMass Amherst.

(Highlights of 1995 appear in the Year in Review, beginning on page 20.)

1 9 9 4

EMPLOYEES

6,269

RESEARCH

\$61 million

OUTPATIENT

VISITS

306,738



Into the Mainstream

Meditation, nutrition, stress reduction — once among the code words of the counterculture — will be part of “traditional” medicine by the year 2000. Through innovative programs like the national Women’s Health Initiative, and others made possible by the “peace dividend,” researchers will change the way we view sickness and healing — hence, change the way we view medicine.

Jon Kabat-Zinn, PhD, associate professor of medicine and director of the Stress Reduction Clinic in UMMC’s

Division of Preventive and Behavioral Medicine, has helped to effect change in the medical establishment’s view of the connection between illness and consciousness.

Dr. Kabat-Zinn is also executive director of the newly established Center for Mindfulness in Medicine, Healthcare, and Society. The center will serve as a vehicle for integrating knowledge of the mind/body connection into mainstream medicine and healthcare through research, education, clinical programs, community building and information dissemination.

Where There’s Hope

Expected to be open by 1998, the UMass Neuropsychiatry Research Institute will become a vital resource in clinical care for the mentally ill and for the education of mental health professionals. As a center of excellence in research for the Commonwealth’s Department of Mental Health, its mission is to discover — through basic and clinical research — the causes and treatment of serious mental illnesses such as schizophrenia, manic depression and aging-associated psychiatric disorders. The 100,000-square-foot building (below) will bring new hope to the thousands of Massachusetts residents and their families who are affected by chronic mental illness.



1998

Brain Drain

The mysteries of the human brain may never be completely unlocked, in 25 years or 2,500. But sophisticated imaging technology, combined with old-fashioned basic science detective work, is illuminating the cellular and molecular causes of conditions like Alzheimer's disease and attention deficit hyperactivity disorder. In the Department of Neurology, Daniel Pollen, MD, and his colleagues work with both sophisticated technology and the most prosaic of medical research tools — the family history — to understand who is prone to certain neurological diseases, and thus identify the genetic basis for them.

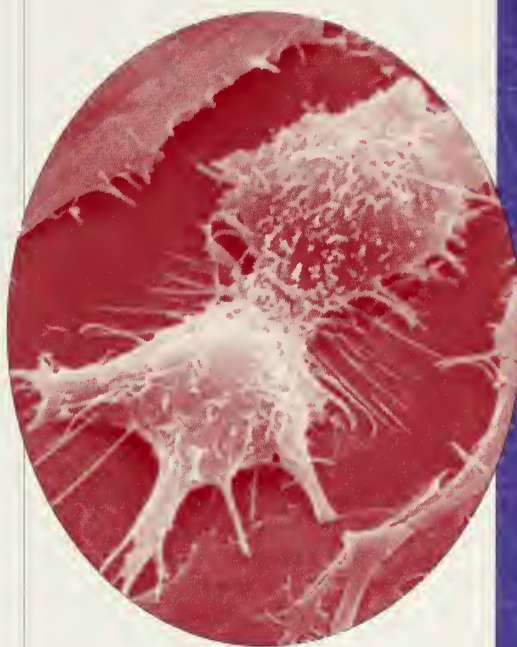
Using single photon emission computed tomography (SPECT) imaging, this radioisotope brain perfusion scan illustrates a patient's progressive dementia. There is significantly decreased blood flow throughout the brain, more noticeable in the right posterior region (arrow) on these "slice" images.

Armed Against Fear

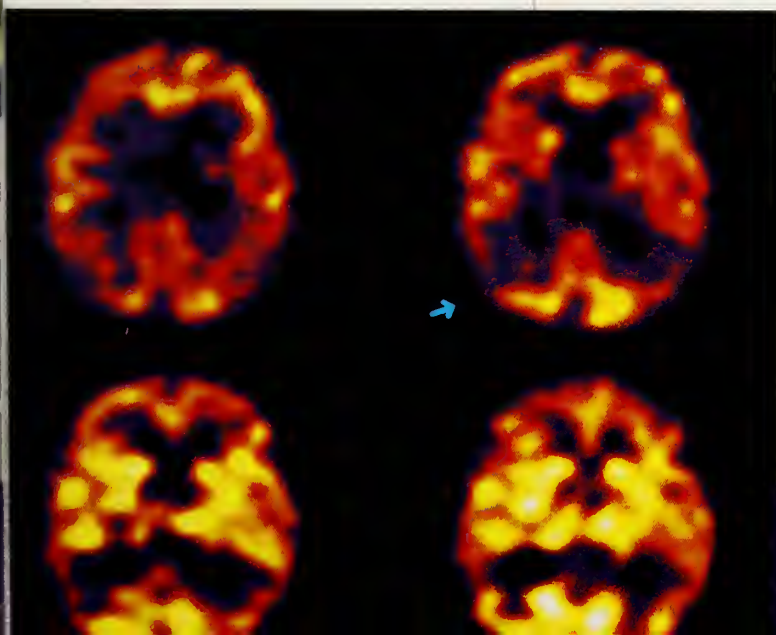
The word "cancer" still strikes fear into everyone who hears it. In the past 25 years, research and patient care has led cancer therapy from treatments almost as frightening as the disease itself to the highly-specific therapies of today that treat cancer as literally hundreds of distinct diseases, each asking for its own magic bullet. Over the next decade at UMMC, as the armament of cancer treatment — bone marrow and stem cell transplantation, gene therapy — takes aim at the genetic material of cancer cells themselves, the fear will begin to recede, predicts Peter Quesenberry, MD, director of the Cancer Center. Already at UMass, unique basic science research is being married to patient care via the world's first LINK Labs; in the next decade, gene therapies that "turn off" cancer cell growth will become more and more commonplace.

Boning Up

Twenty-five years ago, an overnight hospital stay was routine for broken bones; today, new diagnostic and therapeutic techniques can make broken bones good as new. In the near future, UMass clinicians will use bone and tissue "grown" by researchers that will be *better* than new, says Gary Stein, PhD, professor and chair of cell biology.



A dividing rat osteoblast — a cell concerned with the formation of bone — is depicted in this scanning electron micrograph. These cells are examined to understand changes in bone that occur in skeletal disorders such as osteoporosis and bone cancer.



2020 VISIONS

In the 21st century, clinicians and scientists at UMass Medical Center will continue to shape the future of healthcare, building upon the accomplishments of founding deans, department chairs and their colleagues. What's likely to happen on the campus before UMMC celebrates its 50th anniversary in the year 2020?

Here are a few glimpses.



Aging in New Age

Remarkable progress in research has been forthcoming since the construction of UMMC, including the knowledge that has clearly linked genetics and the processes of development and aging. The research thrusts to be pursued in a new 150,000-square-foot building will focus on these linkages, particularly as they relate to the human. Using state-of-the-art facilities, investigators will be involved in team-oriented, multidisciplinary studies in the areas of cell development and aging. They will thus be able to build upon knowledge gleaned from the first quarter-century of UMMC research.

Diabetes, Dispatched?

One of the Holy Grails of contemporary medicine is a cure for diabetes. Researchers at UMMC, led by Aldo Rossini, MD, professor and director of the Diabetes Division in the Department of Medicine, have taken a giant step: transplantation of insulin-producing pancreatic islet cells from a healthy mouse into a diabetic mouse, with no evidence of immune rejection. The technique used was to trick the recipient's immune system with a combination of the donor's lymphocytes and an antibody which accelerated the acceptance of the donor cells. The result was a cured diabetic mouse in which no anti-rejection drugs were used. Dr. Rossini's work has implications for the future that stretch far beyond diabetes, into all areas of organ transplantation.

Ears to You

When the medical school opened in 1970, organ transplantation was in its infancy; today, it is an unruly adolescent, dependent upon scarce human organs donated for transplant. In 25 years, UMass researchers will have perfected the process for growing new tissue from a patient's own living cells — in effect, creating an inexhaustible supply to replenish tissue loss due to trauma or disease. Charles Vacanti, MD, professor and chair of anesthesiology, and his colleagues in the Tissue Engineering Lab are working on cartilage-based structures — the ear (below), the meniscus inside the knee joint, the trachea — to perfect the technique. Next will come vascular organs, like the liver.



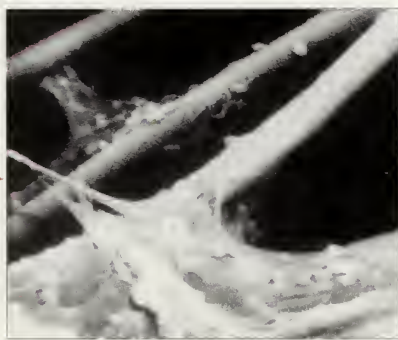
Biodegradable ear mold in a petri dish



Virtually Live Learning

It's easy to imagine that computers will play a much larger role in medical education in the future. What remains an intriguing mystery is just how far — and how fast — computers will redefine the boundaries of discovery and knowledge. During the next 25 years, Susan Billings-Gagliardi, PhD, professor and vice chair of cell biology at UMMC, predicts that the use of computer “virtual reality” will become true reality in classrooms and research labs. Students

and researchers will, for example, be able to tour inside a human body and examine — in 3-D — working organs at microscopic and even molecular magnifications. Simulations will allow students to explore complex interrelationships of physiological events and introduce changes (e.g., increased blood pressure) to witness their consequences. And all of this will be readily available to individuals wherever they are (with a laptop on a mountaintop) and whenever they want (during a 2 a.m. brainstorm).



High magnification of ear mold, seeded with patient's own living cells



Patient's new living ear, after ear mold has dissolved

CELEBRATION

In September, a cluster of events kicked off the 1995-96 celebration of UMMC's 25th anniversary, which dates from the medical school's opening in September 1970.

1 9 9 5

THE YEAR IN REVIEW

A gala dinner for the Worcester community took place under tents on the fourth level of the campus garage, with U.S. Senator John F. Kerry as featured speaker.

Boston-area friends gathered to salute the Medical Center at the Copley Plaza, where ABC-TV's Dr. Timothy Johnson served as master of ceremonies and former U.S. Surgeon General C. Everett Koop was guest speaker.

At a special outdoor convocation on campus, the current administration recognized many of the key figures who laid the groundwork for UMass Worcester in the 1960s and early '70s. A groundbreaking ceremony for the Learning Center (*see page 29*) followed.

Kickoff events also included an alumni reunion weekend; a birthday party with employees wearing 1970s attire; an original musical comedy review, *The Best of Times*, staged by UMMC employees at Mechanics Hall; and a UMMC gallery exhibit reflecting the anniversary theme, "Celebrating the Past, Shaping the Future."

More photos appear on pages 20, 21, 23 and 32.



Assembled in the Lamar Soutter Library are founding department chairs who attended the 25th anniversary convocation. They wear sashes in UMass colors, presented to them that day. Also noted for each department is its founding year. *Italicized names* are of those who remain full-time faculty members at UMMC.

Seated, from left:

Pathology, 1971, Guido Majno, MD
Community Medicine, 1969, Hugh S. Fulmer, MD
Orthopedics, 1971, Arthur M. Pappas, MD
Pediatrics, 1972, John Duggan, MD (interim)
Obstetrics & Gynecology, 1973, Richard E. Hunter, MD
Microbiology, 1971, Donald J. Tipper, PhD
Pediatrics, 1972, James Barry Hanshaw, MD
Physiology, 1970, H. Maurice Goodman, PhD
Anatomy, 1969, Sam L. Clark Jr., MD

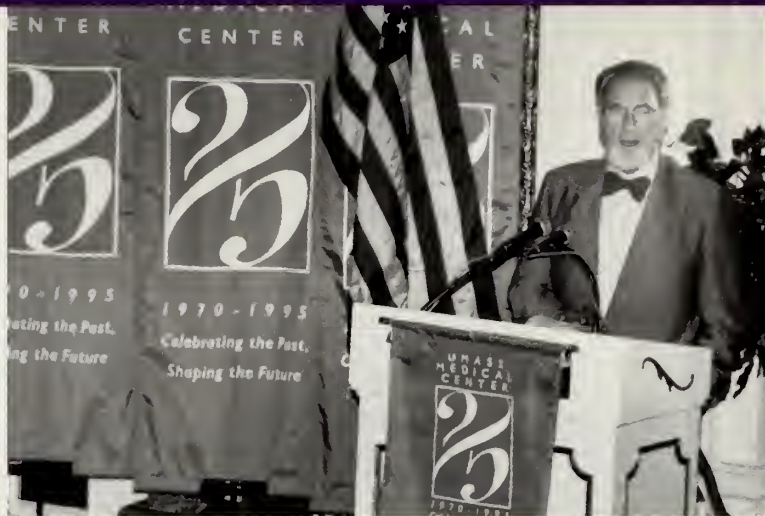
Standing, from left:

Emergency Medicine, 1992, Richard V. Aghababian, MD
Psychiatry, 1970, Stanley Walzer, MD
Neurology, 1977, David A. Drachman, MD
Surgery, 1964, H. Brownell Wheeler, MD
Chancellor Aaron Lazare, MD
Founding Dean Lamar Soutter, MD
Anesthesiology, 1975, Michael Stanton-Hicks, MBBS
Pharmacology, 1974, Neal C. Brown, DVM, PhD
Psychiatry, 1970, Edward Mason, MD (interim)
Biochemistry, 1970, R.W. Butcher, PhD
Family Practice, 1974, Richard Walton, MD

Founding chairs unable to be present for the event were:

Medicine, 1971, Roger Hickler, MD
Cardiovascular Medicine, 1974, James E. Dalen, MD
Nuclear Medicine, 1975, Lewis E. Braverman, MD
Ophthalmology, 1976, Charles Regan, MD
Otolaryngology, 1976, Richard Gazek

The founding chair of radiology, 1975, Lloyd E. Hawes, MD, is deceased.



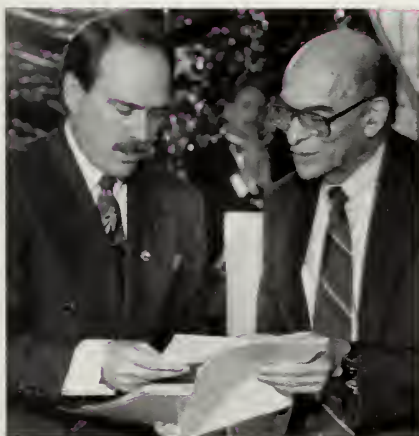
C. Everett Koop, former U.S. surgeon general, speaks to the Boston gala audience of more than 250.



R.W. Butcher, left, and H. Maurice Goodman, founding department chairs who also served as interim chancellors during the 1970s, listen as Dr. Soutter receives convocation tributes. Dr. Butcher is dean of the University of Texas Medical School at Houston.



ABC Network's Dr. Timothy Johnson, emcee of the Boston gala, with Sherrey Penney, UMass interim president, and William Van Faasen, president and CEO of Blue Cross and Blue Shield of Massachusetts and a member of the 25th Anniversary Steering Committee.



Worcester Mayor Raymond Mariano shares the speaker's podium with Chancellor Lazare at the community gala on campus in September.



The employee show's "men in tights" remain recognizable as, from left, Steve Lamachia of Public Safety; Ron White, Facilities; Tom Manning, Administration; Jim Wells, Equal Opportunity; and Mel Mastrodomenico, Materials Handling.

EDUCATION

New Department Chairs

- William Clark Meyers, MD, was named professor and chair of the Department of Surgery. He came to UMass from Duke University Medical Center in Durham, North Carolina, where he was chief of gastrointestinal surgery and director of hepatobiliary surgery. In 1983, Dr. Meyers performed the first liver transplant in the South.
- William F. Greenlee, PhD, joined the faculty as professor and chair of the Department of Pharmacology & Molecular Toxicology. Previously, he was professor and head of pharmacology and toxicology at the School of Pharmacy and Pharmacal Sciences at Purdue University, and professor at the Purdue University Cancer Center.

Nursing Dean

Lillian R. Goodman, EdD, was appointed dean of the Graduate School of Nursing (GSN). Affiliated with UMass since 1969, she had served as interim dean of the GSN since 1991. Under her leadership, the GSN has developed an adult acute/critical care nurse practitioner specialty, and has established a collaborative PhD program with the UMass Amherst campus.

Primary Care Institute

Establishment of the Dr. John Meyers Primary Care Institute at UMMC validates the important role that primary care medicine will play in the future. Named in honor of the late president of the Fallon Clinic and founder of its Community Health Plan, who was also associate professor of family & community medicine at UMass, the institute is supported by a \$1 million Fallon Foundation endowment, and includes an endowed professorship in primary care medicine at UMMC.

New Students

The first class of 10 students is enrolled in the new PhD nursing program established jointly by the UMass Worcester and Amherst campuses. The start-up was funded by a \$1 million federal grant. Research areas, drawn from the strengths of faculty on each campus, include gerontology, child health nursing, primary health nursing, ambulatory care, acute/critical care nursing and nursing management.

National Ranking

In a *U.S. News & World Report* survey, the medical school placed sixth among 62 schools in the primary care category, for graduating the highest share of MDs who entered primary care specialties. *The Boston Globe*, meanwhile, noted UMMC's 12th-place ranking among 72 public medical schools nationwide in government-sponsored research. The *Globe* hailed UMass Worcester as "a high-quality, low-cost alternative to

UMass Trustee Ogretta McNeil, PhD, and guest speaker U.S. Senator John F. Kerry, at reception preceding 25th anniversary gala in Worcester.

Boston's medical schools, offering a progressive curriculum, a primary care emphasis, and a high proportion of older and female students."

In-State Practice Rank

The medical school ranked third in the country for the percentage of 1994 graduates planning to practice in-state. In the latest information compiled by the Association of American Medical Schools Institutional Goals Ranking Report, the school's 87-percent, in-state figure was also tops in New England. UMass also ranked fifth in the country, and first in New England, for the percentage of 1988-1990 graduates entering primary care specialties.

Collaborative With WPI

A UMMC and Worcester Polytechnic Institute collaborative program gave a dozen WPI students a taste of what it's like to be a community-based primary care physician. The eight-week course included weekly seminars by health professionals on medical care issues, and job-shadowing experiences in physicians' offices. The collaboration was part of UMMC's commitment to increase the future supply of primary care doctors.

Scholarship Team

UMMC and Fleet Bank teamed up on an innovative program that is giving a dozen public school science teachers from across Massachusetts a unique professional development opportunity. The eight-month forum on topical issues in health and biomedical research includes the Fleet Scholar Program, which integrates these new ideas and concepts into school health and science curricula.



CLINICAL CARE

Connecting Links

- Marlborough Hospital officially became part of the UMASS Health System, the organizational structure through which UMMC is developing an integrated healthcare network. While Marlborough Hospital has maintained its identity as a locally managed community hospital, the affiliation allows it to tap the clinical expertise of UMMC's medical staff, as well as to access its advanced, state-of-the-art tertiary care.
- Clinton Hospital and UMMC officials signed principles of affiliation that link the two institutions in a collaboration to strengthen the delivery of healthcare services in the Clinton area. Under the agreement, Clinton Hospital continues to provide medical/surgical, psychiatric, outpatient and emergency services, and supports an increased academic presence in the form of clinical partnerships and teaching programs for UMass students and residents.
- UMMC and HealthNet of New England, the parent company of Day Kimball Hospital in Putnam, Connecticut, formally affiliated. For Day Kimball patients, the agreement has improved access to healthcare through an integrated system of inpatient and outpatient care. The affiliation expanded joint clinical programs in pediatrics and oncology, and also established educational and research ties.

New Hospital Director

Lin C. Weeks, RN, DPH, was named hospital director for UMass Hospital. She was previously vice president of operations at Hermann Hospital in

Houston, a teaching hospital affiliated with the University of Texas Medical School.

Clinical Goal

A comprehensive, multiyear program designed to position UMMC as the leading health system in Central Massachusetts began in 1995. The Program to Achieve Clinical System Superiority (PACSS) is designed to reduce costs while maintaining and improving the quality of care that UMMC provides. PACSS aims to improve efficiency, reduce duplication and increase patient satisfaction, while initially saving \$13 to \$18 million for fiscal year 1996.

Shrewsbury Primary Care

UMASS Community Physicians, a group practice of four internal medicine doctors offering personalized service, opened at Shrewsbury Center. UMASS Health System established the Shrewsbury primary care practice as part of its mission to develop an integrated network of hospitals, primary care physician centers, laboratories and diagnostic services, and other healthcare affiliates.

Marrow Transplant Option

For cancer patients at UMass, the state Public Health Council approved a state-of-the-art treatment previously available only in Boston. UMMC now performs allogeneic bone marrow transplants, a procedure in which the patient receives marrow from a genetically-matched donor, as well as autologous transplants.



Among those attending the anniversary gala in Worcester are city residents Shirley Siff, PhD, left, with Mary H. Melville, a member of the 25th Anniversary Steering Committee.

Pediatric Emergency Unit

With everything from floor tile to high-tech monitoring equipment catering to children, UMMC opened its new pediatric emergency facility. As the only major trauma center for children in the region, the unit consists of 14 beds, including three acute care beds for children with serious illness or injury, two isolation rooms with a central observation area linking them, and five multipurpose examination rooms.

Appointment

F. Marc Stewart, MD, associate director of medicine, was appointed deputy director of clinical affairs for the Cancer Center. Dr. Stewart joined UMMC in 1992 as director of the Division of Hematology-Oncology. He currently coordinates development of the clinical program for gene therapy at the Cancer Center.

RESEARCH

LINK Laboratories

The Cancer Center at UMMC introduced specially designed laboratories that now "link" basic research discoveries to the cancer patient's bedside. Developed by Cancer Center Director Peter Quesenberry, MD, the LINK labs immediately link basic research findings to new disease prevention and cancer treatments.

Emphysema Pilot Study

UMMC began conducting a pilot study to surgically reduce excessive lung volume so emphysema patients can breathe easier. Although not a cure for emphysema, the removal of damaged lung tissue helps to relieve patients' severe breathlessness brought on by trapped stale air that swells and overinflates lungs. A. Alan Conlan, MD, professor of surgery, is performing the operations and monitoring the patient results.

HIV Survival Clues

In a January issue of *The New England Journal of Medicine*, UMMC and Harvard Medical School researchers offered an explanation why certain individuals infected with HIV-1 do not develop AIDS. The research team found that the HIV-1 present in a long-term healthy non-progressor is missing one of the nine genes usually present in HIV-1. Absence of the *nef* gene makes HIV-1 much less able to reproduce itself, and suggests the possibility of a vaccine against HIV.

Infant Deaths and Tobacco

UMass researchers Joseph DiFranza, MD, and Robert Lew, PhD, determined that 1,900 annual cases of Sudden Infant Death Syndrome (SIDS) nationally are attributable to mothers smoking during pregnancy, and to infant exposure to tobacco smoke after birth. The pair's study also concluded that 3,700 more infants are stillborn or die within a month due to pregnancy complications caused by tobacco.

Advances in Prostate Cancer

In a May *New England Journal of Medicine* article, UMMC's Mary-Ellen Taplin, MD, helped explain how prostate cancer becomes resistant to typically effective testosterone-reduction therapy. Using DNA sequencing techniques, Dr. Taplin determined that the androgen-receptor gene often mutated, and would cause those sites in tumor cells to respond to hormones other than testosterone. The findings suggest possible avenues for prostate cancer therapy.

Breast Cancer Study

UMMC began a four-year study to examine the possible healing effects of meditation and good nutrition on breast cancer. The U.S. Army awarded UMass two grants totaling \$1 million to fund the BRIDGES (Breast Research Initiative for DetermininG Effective Skills) study. While BRIDGES aims to identify coping strategies, it will also examine how meditation and nutrition physically help breast cancer patients.

Aspirin and Colon Cancer

Funded by the National Cancer Institute, a UMMC study was launched to determine aspirin's possible role in

preventing colon cancer. The three-year study is tracking 900 patients who have had successful surgery for colon or rectal cancer, because they are at a higher risk. Other non-definitive studies suggest that aspirin lowers colon and rectal cancer death rates by about 40 percent.

Aspirin and Heart Disease

While taking aspirin has been shown to decrease the incidence of heart attacks, UMMC researchers reported in the *Archives of Medicine* that the size and severity of heart attacks that do occur while taking aspirin are so small that many attacks go undetected. Meanwhile, UMass has joined 300 institutions in a large-scale clinical study to determine whether a combination of aspirin and the anticoagulant Coumadin (warfarin) is more effective than aspirin alone in improving long-term survival of heart attack patients.

New Anti-Rejection Path

A new mechanism by which transplanted organs and tissues may survive without being rejected by the recipient was introduced by UMMC researchers in the *Proceedings of the National Academy of Sciences*. The method, which involves therapy with a combination of lymphocyte cells and a monoclonal antibody, appears to induce tolerance for foreign tissue in the host without the use of generalized immunosuppressive agents.

Light's Effect on Cholesterol

Ira Ockene, MD, associate director of the Cardiovascular Medicine Division at UMMC, is studying whether diminished exposure to sunlight in winter contributes to higher cholesterol levels that doctors typically see in patients

during those months. The study is helping to develop appropriate cholesterol diagnostic and treatment procedures that account for seasonal variations.

Cancer Center Appointment

Gary Stein, PhD, was appointed director of basic research for the Cancer Center. Stein, professor and chair of the Department of Cell Biology since arriving at UMMC in 1987, is responsible for the development of all basic research and its link with clinical programs.

PUBLIC SERVICE

Cancer Prevention

UMMC's GSN and the Town of Shrewsbury developed a partnership to create primary and secondary prevention programs related to prostate and breast cancer. Mary K. Alexander, PhD, associate dean/associate professor of the GSN, received the Joseph P. Healy and Public Service Endowment Grant to fund the education and prevention partnership. The program is responding to Shrewsbury's statistically significant rate of prostate cancer, and higher than expected rate of breast cancer.

Science/Health Day

UMMC and Spag's teamed up to present a Science/Health Education Day at the popular Shrewsbury general store. As shoppers strolled the isles for bargains, UMass faculty and staff presented hands-on exhibits about science and health including hypertension, lung capacity, breast and prostate cancer, head injury prevention, children's medicine and DNA.

Thinking First

A local chapter of the "THINK FIRST" program was established at UMMC to help reduce the incidence of spinal cord and head injuries. The program is presented in school classroom or assembly settings, and makes young people aware of choices they can make to prevent such injuries. First-hand accounts are also given by children who have suffered spinal cord or head injuries.

Homes for HIV Kids

Through the state Department of Social Services, UMMC trained several foster families how to make a home for HIV-positive children whose own AIDS-infected mothers and fathers are unable to provide for them. It is the only program of its kind in the state, and many participating families have gone on to adopt HIV-positive children.

Breast Cancer Seminar

A free seminar titled "Can We Prevent Breast Cancer?" was presented to the public by UMMC researchers. Participants discussed how diet, environment, hormones and other factors may contribute to the incidence of breast cancer, which has more than doubled since 1940.

United Way We Stand

For the fifth consecutive year, UMMC contributed more to the Commonwealth of Massachusetts Employee Campaign than any other state agency. In FY95, UMMC surpassed its previous fundraising record with \$257,000 in contributions. Faculty participation was 84 percent.

Children's Health FIRST

The Division of Developmental & Behavioral Pediatrics at UMMC has made it easier for parents to access the most current information on their children's special healthcare needs. The FIRST (Finding Information Resources and Services through Technology) project provides parents and healthcare providers with the latest written information on specific pediatric illnesses and conditions, treatments, bibliographies of selected literature, and national and local parent support groups.

HealthLink at UMMC

Community HealthLink's two day treatment programs moved from Harvard Street in Worcester to the Benedict Building at UMMC. The programs offer services on a short-term basis to people with addictions, depression, eating disorders and acute distress. Group therapy treatments are now offered through HealthLink at UMass as an alternative to inpatient care.



At the September anniversary gala on campus are Ralph Crowley Jr., left, and Edward Glick, both of Worcester and members of UMMC's Cancer Center Committee. Glick is also a board member of the UMMC Foundation.

AWARDS AND HONORS

State Recognition

The state Department of Public Health named UMMC's HIV Clinic as one of the top public health programs in the commonwealth. As the only AIDS-related program to be honored by the state, the HIV Clinic was noted for its success in reducing barriers to primary healthcare services for HIV-infected individuals.

'Visions 2000'

John C. Fray, PhD, professor of physiology, was one of five individuals honored for their outstanding community service by the *Telegram & Gazette's* Visions 2000 program. Dr. Fray won the Enterprise Award, which recognizes an outstanding invention, idea or technological advancement that produces measurable results. He was honored for his work extracting drugs from herbs to aid in diabetes research.

National Citation

Maureen E. Paul, MD, MPH, associate professor of obstetrics & gynecology and family & community medicine at UMMC, was one of five recipients of the American Medical Women's Association 1994 Local Reproductive Award. Paul was honored for significantly advancing reproductive healthcare for women on a local level.

Honor for Psychiatry

The Department of Psychiatry was awarded the 1995 Exemplary Training Award for Continuing Education from the National Alliance for the Mentally Ill. UMass received the award for its unique and innovative Public Sector

Psychiatry Conference, an annual training program for faculty, consumers and families with mentally ill members.

SPOTLIGHTS

LifeFlight's 10,000th Patient

Thirteen years after it became the first helicopter ambulance service in New England, UMass LifeFlight transported its 10,000th patient. LifeFlight, which provides round-the-clock, daily emergency transportation service, transports critically ill patients from community hospitals to the nearest trauma center, and responds to accident scenes. A second LifeFlight helicopter is now based in Turners Falls to serve patients in Western Massachusetts.

Charter Designation

M. Lynne Eddy, RD, director of Nutrition & Food Services at UMMC, became certified as a charter Fellow of the American Dietetic Association. Less than one percent of all registered dietitians have achieved this status.

Volunteer Service Award

Diane Stone, who has distributed crafts to UMass patients for the past 15 years, received the Julius Aisenberg Award in recognition of her selfless community service work. The award was named after the late Julius Aisenberg in recognition of his outstanding career as a volunteer at UMMC.

Employees of the Month

To help keep employee morale high, UMMC's "Employee of the Month" program identifies and recognizes

individuals nominated for demonstrating exceptional performance and dedication to patient care and staff relations. Employees of the Month for 1995 were: Joanne Calista, Clinic 7 social worker; Minnie Pascarelli, payroll/accounting clerk II; Mary J. Brown, Bone Marrow Transplant Unit nurse; Judith Colbert, Department of Ophthalmology nurse; Robert Cronin, transportation delivery/courier services; Katherine Pappas, Nutrition & Food Services worker; Diane Degon, Patient Accounting; Lois Dansereau, Pacemaker Clinic chief technician; Linda Clark, pediatric nurse; Anita Fenton, professional research technician; Jeffrey Shearin, Cytogenetics Lab; Karen Connolly, RN, BSN, Emergency Department.

GREAT Awards

The Group Recognition for Excellence And Teamwork (GREAT) award is given quarterly to a department, division, task force or unit that exemplifies outstanding teamwork through achievement, innovation or service. The 1995 winners were: the Child Care Center, the Surgical Billing and Collection Team, and the Group Practice Plan's Physician Billing Coordinator Unit.

FY 95 Funding and Revenue

State appropriation* for schools (5 percent)	\$.24 million
The Clinical System	.364 million
State contracts**	.13 million
Research (sponsored activity)	.62 million
Self-supporting activities***	.20 million
TOTAL	\$.483 million

FY 96 Projected Funding and Revenue

State appropriation* for schools (5.1 percent)	\$.26 million
The Clinical System	.380 million
State contracts**	.15 million
Research (sponsored activity)	.66 million
Self-supporting activities***	.21 million
TOTAL	\$.508 million

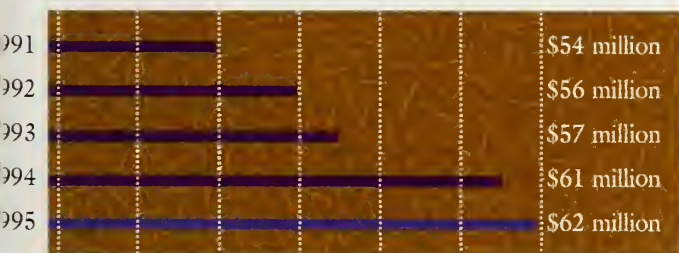
* The hospital receives no state appropriation.

** Supports public service activity, including provision of mental health and pediatric services for those who cannot afford private care.

*** Examples are parking trust fund, continuing education, financial aid and student fees.

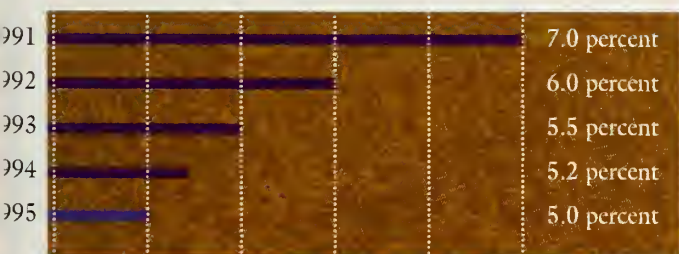
Research Funding

(includes sponsored activity — federal and private grants, contracts and overhead)



State Appropriation

(as percent of total Medical Center funding and revenue sources)



Education (1995-96 figures)

Medical School	
MD students	408
MD/PhD students	15
Alumni	1,832
Residents & fellows in UMMC programs	470
Graduate School of Biomedical Sciences	
PhD students	122
Alumni	90
Graduate School of Nursing	
MS students	91
Post-master's students	7
PhD students	10
Alumni	249
Continuing Education	
Registrants (estimate)	10,502
Allied Health Program	
Students (1994-95)	789

Patient Services FY 95

Number of beds	388*
Number of patients admitted	16,635
Occupancy	.82.2%
Average length of stay (excluding psychiatric patients)	.6.5 days
Surgical cases	
Inpatient	8,457
Outpatient	6,393
Outpatient clinic visits (excluding ancillary, emergency, Tri-River and day surgery visits)	335,859
Emergency Department visits	48,449
Visits to Tri-River Family Health Center (UMMC's satellite in Uxbridge)	51,944
Life Flight missions	1,375
Trauma admissions	1,783

* Includes 45 Worcester State Hospital beds under UMMC contract

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FACTS
AND
FIGURES

Philanthropic support for the University of Massachusetts Medical Center from individuals, foundations and corporations increased by 11.3 percent in fiscal year 1995. A total of \$3,903,286 was raised to support education, research and clinical programs. Among the major gift highlights are:

- A gift of \$20,000 from Selma B. Krupp to the Frederick Krupp Foundation

in Medical Education, supports an exchange program for students and faculty between UMass Medical School and the Ben-Gurion University Medical School in Israel.

- Jacob Hiatt, long-time supporter and UMMC Foundation board member, donated \$100,000 in honor of Chancellor Aaron Lazare, MD, to recognize his appointment by Governor Weld to head a special

commission concerning adoption. The funds will be used to establish the Center for Adoption Research and Policy at UMass Medical Center.

- A \$50,000 grant from the Shawmut Charitable Foundation supports the Learning Center and the UMass Medical Center "Science in Action" program.
- A gift of \$13,000 from the Simeon J. Fortin Charitable Foundation sponsors innovative research in the area of gene therapy protocols for treatment of breast, ovarian and lymphoma cancers.

The University of Massachusetts Medical Center gratefully acknowledges philanthropic contributions from the following individuals and organizations. We thank you for your continued support.

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<i>Advocate</i>	<i>\$100 and above</i>

All contributions to the University of Massachusetts Medical Center are important. We wish we could acknowledge all our donors; however, space allows us to list only contributors of \$100 and above. Your gifts are greatly appreciated, and we have taken great care to ensure an accurate record of contributors. We apologize for any inconvenience caused by error or omission, and request that you advise the Office of Development at 508-856-5520.

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Pediatric Surgeon Recognized

I. Thomas Cohen, MD, director of Pediatric Surgery for the Children's Medical Center at UMMC, received \$70,000 from the Will Rogers Memorial Fund and Variety Club International to support patient care at the UMass Feeding Disorders Clinic.

Salah M. Hassanein presented Dr. Cohen with the gift before a gathering of 700 attending the annual Variety Club New England dinner in Boston in April. In addition to the cash gift, the Variety Club International donated a new van for transporting patients and their family members to and from the clinic.

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Paul and Mimi La Camera are co-chairs of the Parents Council, which was formed in 1994. The council conducted a phonathon campaign to raise funds for the Learning Center, and parents of UMass Medical School students contributed their time and dollars to support the project. The La Cameras kicked off the effort with a \$5,000 pledge. Current students contacted medical school alumni to enlist their support for the Learning Center, as well.

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Groundbreaking for Learning Center

Construction of the Learning Center soon will be under way at UMass. Generous donations received during the year include those of The Ruth H. and Warren A. Ellsworth Foundation, \$20,000; The Mildred H. McEvoy Foundation, \$20,000; and The Francis A. and Jacquelyn H. Harrington Foundation, \$20,000. Groundbreaking ceremonies were held following convocation in September. With Chancellor Aaron Lazare, MD, chancellor and dean, are, from left, William D. Kelleher and R. Norman Peters, board members of the UMMC Foundation.

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A Classic Event

The first annual Cancer Center Golf Classic took place at the Worcester Country Club in October 1994. Honorary chair and former Red Sox right fielder Dwight Evans (left), who also serves as a member of the UMass Medical Center Foundation, is joined by, from left, Mark Cummings, director of development for the Cancer Center, Peter J. Quesenberry, MD, director of the Cancer Center, and Dennis Eckersley, former Red Sox pitcher. Corporate supporters — including presenting sponsor HealthSource and Polar Beverages — plus individual participants helped raise \$20,000 for cancer research.

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Reunion

The 25th anniversary alumni reunion dinner brought together members of the first medical school class. From Left are Kenneth M. Kornetsky, MD'74, of Warrenton, Virginia, and Donald W. Abbott, MD'74, of Yarmouth, Maine, with his wife Jody.

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FROM THE FIRST, SOME LAST WORDS

With just five academic departments in 1970, the entire faculty list fit on one page of the medical school catalog. From that original list of 21, the seven who remain full time — among today's faculty of 648 — recall the early days.



*H. Brownell Wheeler, MD,
Harry M. Haidak Distinguished
Professor and Founding Chair,
Surgery*

"The first 16 students were pioneers, extra-special to us all — Dean Soutter was like their second father. Before graduation, the students gave him a pair of suspenders with their caricatures drawn on it. For years after, whenever I saw the dean in his shirtsleeves (which was often), I saw their faces once again, each one still special to him (and to me)."



*Francis J. Chlapowski, PhD,
Professor and Interim Chair,
Biochemistry & Molecular
Biology*

"When I was being recruited at a scientific meeting in Denver, I was surprised that a medical school existed in Worcester, near the town where I grew up. My interview took place in Shrewsbury, and I was shown no physical entity that could be called a school. Obviously, I was convinced by Lamar Soutter and Bill Butcher that it would be built — just across the lake in Worcester!"

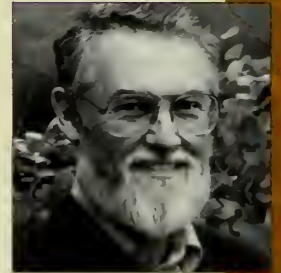


*Joshua J. Singer, PhD,
Professor of Physiology*

"Because many of us were only a few years older than the students, both faculty and students were on a first-name basis. This continued until the mid '80s. Now, unfortunately, the medical students insist on calling me 'Dr. Singer' instead of 'Josh.' I can't be sure if it's because the student body has become more conservative or it's because of my trifocals!"

*Sandy Marks, PhD,
Professor of Cell Biology*

"A house on Marsden Way was home to most of the first class — one of them had to sleep in a closet! The living room chandelier became the first casualty of indoor frisbee games. At the Shaw Building, the dissection room floor tiles were laid just hours before the first cadavers arrived from Tufts. On some Fridays there were eight hours devoted to anatomy."



*H. Maurice Goodman, PhD,
Professor and Chair, Physiology*

"After working at Harvard, a place that was very established, the whole process of starting something new was exciting to me. Dr. Soutter inspired our loyalty, both to him and to the institution. I had the opportunity to do something innovative, to build something with exciting people. And the students were wonderful — they were more like colleagues."

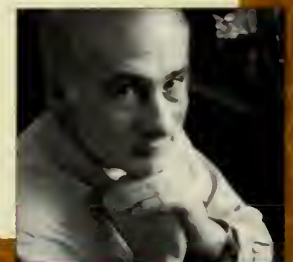


*John V. Walsh, MD,
Professor of Physiology*

"I was still a postdoctoral fellow at Harvard when I came here. It was great fun to teach students who were only a few years younger...they've had their equals but not their betters, over the years. The early '70s were also times of adversity, with the war in Vietnam raging, but out of the turbulence sprang some profound and lasting changes in our society. That fact gives us hope for the present."



Fredric S. Fay, PhD, Professor of Physiology, is on sabbatical leave in England, searching for the politically correct words to define those early years...





The Lamar L. Soutter
S O C I E T Y



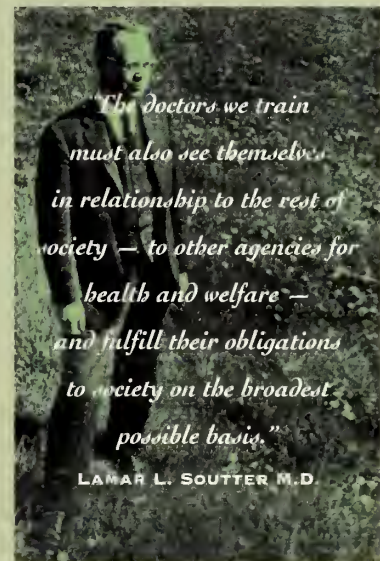
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